

Wleaner, Lothar.
THE IMPORTANCE OF RADIATION CHEMISTRY ON
THE PROCESSING OF PETROLEUM AND COAL.

[1960] [24] p. 12 cols

Order from SLA m\$2.70, ph\$4.80 61-10493

Trans. of Erdöl und Kohle (West Germany) 1958,
v. 11, no. 8, p. 511-515.

148,519

(Nuclear Physics--Nuclear Engineering, TT, v. 5,
no. 7)

61-10493

1. Petroleum--Processing
2. Coal--Processing
3. Radiochemistry--
Applications
1. Wleaner, L.

Office of Technical Services

A Modern Process for the Production ~~for the~~
~~Production~~ of Some Industrially Important
Gases from the Products of the Petroleum Indus-
try, by H. Fichler, 14 pp.

GERMAN, per, Erdol und Kohle, Vol XI, No 8,
1958, pp 515-521.

ATS-742-G-I
ATS 3828G

SEKur-Germany-Econ

Jun 59

OTS I, 10

89,709

The Urea-Dewaxing Plant in Heide, by Alfred
Hoppe, 16 pp.

GERMAN, per, Erdol und Kohle, Vol XI, No 9,
1958, pp 618-621.

SLA 59-10568
68-16774

Sci - Chem
Sep 59
Vol 2, No 1

97,890

Stainless Steels for Oil Pipelines. Comparison of
European With USA Steels, by L. Schaeben.

GERMAN, per, Erdol und Kohl, Sep 1958, pp 636-639.

BISI 1903

Sci - Min/Met

Dec 60

134,012

Petrochemistry, Its Development and Future, by
Otto Horn, 9 pp.

GERMAN, per, Erdol und Kohle, 1958, pp 693-698.

CIA/FDD IX-621

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem, Fuels
Jun 59

USIB INTERNAL USE ONLY

88 525

Experiences in the Structure Group Analysis by
Means of Infra-Red Spectroscopy, by Gunter Brandes,
9 pp.

GERMAN, per, Erdol und Kohle, Vol XI, No 10, 1958,
pp 700-702.

SLA 59-10722

Sci

Dec 59

Vol 2, No 4

102,691

The Quantitative Determination of Gases With the
Help of Chromatography, by Herbert Pietsch, 12 pp.
GERMAN, per, Erdol u Kohle, Vol XI, 1958,
pp 702-705, 9230422.
AEC RFP-trans-10

293,003

Sci-
Nov 65

TT-65-11983

Field 7C

Elchhoff, H. J.; Titschack, G.
CHARACTERIZATION OF HYDROCARBON WAXES BY
FLUORESCENCE SPECTROSCOPY. 8p, 4refs.
Available on loan from SLA: as TT-65-11983

Trans. of Erdöl und Kohle-Erdgas-Petrochemie
(West Germany) v11 n10 p705-8 1958.

I. Elchhoff, H. J.
II. Titschack, G.

The Route of the Metalalkyls from the Laboratory to Chemical Petroleum Industry,
by Karl Ziegler, 16 pp.

~~GERMAN, Ernst, Erdöl und Kohle-Erdgas-Petro-
chemie, Vol 11, No 11, 1958, pp 766-772~~
BIA TT-65-10305

338,804

Sci
Aug 67

4. Ultrasound for Determining Branching in Saturated Hydrocarbons, by Cornelis Boelhouwer, Jacob Van Elk, 7 pp

GERMAN, per, Erdöl und Kohle, Vol XI, No 11, 1958, pp 778-781.

SLA 59-15121

Dept of Defense
TN 7, ES 7

Sci

Nov 59

Vol 2, No 3

10/62

101,548

Mempel, G.
OCCURRENCE AND FORMATION OF IMPSONITE
(COALIFIED ASPHALT) IN THE DEVONIAN REEF
LIMESTONE OF THE IBERG NEAR GRUND (UPPER
HARZ). [1963] 9p
Order from ATS \$13.00

ATS-83Q71G

Trans. of [Erdöl und Kohle-Erdgas-Petrochemie]
(West Germany) 1958, v. 11, no. 12, p. 849-852.

DESCRIPTORS: *Asphalt, *Economic geology, Lime-
stone, Geology.

(Earth Sciences--Geology, TT, v. 10, no. 10)

63-22594

- I. Title: Impsonite
- I. Mempel, G.
- II. ATS-83Q71G
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

A New Instrument for the Chromatographic
Analysis of Gases, by Wilhelm Virus, 1 pp.

GERMAN, per, Erdoel und Kohle, Vol XI,
No 12, 1958, pp 867-868.

CSIRO

Sci
Nov 61

Sherwood, Peter W.
TREATMENT OF REFINERY WASTE WATERS WITH
ACTIVATED SLUDGE. [1960] 9p. 7 refs. No. T-599.
Order from SI A ml\$1.80, ph\$1.80 60-18445

Trans of Erdöl und Kohle (West Germany) 1958, v. 11,
no. 12, p. 868-872.

143,250

(Engineering--Sanitation, TT, v. 5, no. 4)

60-18445

1. Sanitary engineering--
Germany
2. Petroleum--Processing
3. Sewage--Disposal
- I. Sherwood, P. W.
- II. Trans-T-599

Office of Technical Services

The Modern Preparation and Processing of Chemicals
From Petrochemical Raw Materials, by Erwin
Kotter, 9 pp.

GERMAN, per, Erdol und Kohle, Vol XII, No 1, 1959,
pp 17-20.

SLA 59-17061

Sci

Jan 60

Vol 2, No 7

104,831

Haddenhorst, Hans-Günter and Koch, Richard.
INVESTIGATION OF THE EFFECT OF PRESSURE
AND TEMPERATURE ON PRECIPITATION OF SOLIDS
IN PETROLEUM. [1962] 17p. 3 refs.
Order from SLA \$1.60

62-20279

Trans. of [Erdöl und Kohle-Erdgas-Petrochemie]
(West Germany) 1959, v. 12, p. 65-71.

DESCRIPTORS: *Petroleum, Solids, Precipitation,
Temperature, Pressure, Phase studies, Hydrocarbons.

(Engineering--Chemical, TT, v. 9, no. 9)

62-20279

I. Haddenhorst, H. -G.
II. Koch, R.

Office of Technical Services

Kotter, E.
THE MONOOLEFINS. Pt. II. of the Modern Methods of
Producing and Processing Chemicals from Petrochem-
ical Raw Materials. [1961] 22p.
Order from ATS \$19.95

ATS-70NS2G

Trans. of Erdöl und Kohle (West Germany) 1959, v. 12,
no. 2, p. 92-100.

DESCRIPTORS: *Ethylenes, Production, Processing,
Chemicals.

(Engineering--Chemical, TT, v. 6, no. 6)

61-25034

- I. Title: Petrochemistry
- I. Kotter, E.
- II. ATS-70NS2G
- III. Associated Technical Services
Inc., East Orange, N. J.
- IV. Title: Modern

ATS-747-GJ

176705

Office of Technical Services

Hydrogenation of Highly Asphaltic Petroleum and
Tar at Medium Pressure in a Combination Converter
According to the Varga Process; by Richard
Birthler.

GERMAN, per, Erdöl und Kohle, Vol XII, No 2,
1959, pp 71-77.

ATS-797-6J
Dept of Interior
TN 7, E 57, No 73

Sci - Fuels, Min/Met

100,439

Nov 59

Koppers-Totzek Synthesis Gas Plant for the Ptolemais
Nitrogen Works.

CZECH, per, Erdol und Kohle, Vol XII, Feb 1959,
p 128.

Dept of Interior
Tr No 1735

Sci

Jan 63

Oil Production by Underground Combustion, by
H. J. Tadema, 8 p.

GERMAN, per, Erdol und Kohle, 1959, Vol XII,
No 3, pp 140-144.

ATB-97L330
SLA 59-20047

Sci
Mar 60
Vol 2, No 11

109,577

Basis of Calculation for Heating of Oil-Bearing
Rock Strata to Increase Yield, by F. Troy, 5 p.

GERMAN, per, Erdol und Khole, 1959, Vol XII,
No 4, pp 216-218.

MTS-441340
SLA TT-65-1078

Sci
Mar 60
Vol 2, No 11

109,578

The Assessment of Gear Oils Under Conditions of
Partial Lubrication, by G. R. Schultze, A. Bartel
and J. Moos.

GERMAN, per, Erdöl und Kohle, Vol 12, No. 5, 1959,
pp 374-380.

ASTIC Trans. No. 1433

NLL Ref: 6180.59 (1433)

Sci/~~Chem~~ ^{Mech Eng}
Jan 68

345,912

Problems in Recovery of Pure Naphthalene by
Distillation, by C. Gowers.

GERMAN, per, Erdoel und Kohle, 1959, pp 231-235.

C.S.I.R.O.

Sci-Fuels

May 60

115,946

Relationships in the Thermal Cracking of Hydrocarbons to Acetylene and Ethylene, by H. Krekeler, R. Wirtz, et al.

GERMAN, per, Erdol und Kohle, Vol XII, No 5, 1959, pp 353-358.

CSIRO

Sci - Chem

Jun 61

156,923

Cracking of Gaseous Hydrocarbons by Partial
Oxidation, by E. Bartholome, H. Nonnenmacher.

ERDOL UND KÖHLE
UNTERS. BER. ERDOL UND KÖHLE, Vol. XII. No 5.
1959, pp 359-364.

CSIRO

Sci - Chem

Jun 61

156,930

Development of Drilling and Production Engineering^e
in Germany, by H. -G. Gogthe, E. -H. Ladebeck, 18 p.

GERMAN, per, Erdol u Kohle, 1959, Vol XII, No 5,
pp 423-431.

ATS-74L34G

Sci
Apr 60
Vol III, No 2

111,693

The Chemical Nature of the Products Obtained by
Polymerisation of Olefins of Low Molecular
Weight With Phosphoric Acid and Aluminum
Chloride, by E. Tarras, R. Ebert, 10 pp.

GERMAN, ber, Erdöl und Kohle, Vol XII, No 6,
1959, pp 467-471.

ATS-92L36G

ATS-692-6J

186,307

Mar 62

Testing of Transmission Lubricants in the
Gear-Loading Test Stand; Present Status of
Experience, by G. Niemann, H. Retting, G.
Lechner, 20 p.

GERMAN, per, Erdol und Kohle, 1959, Vol XII,
No 6, pp 472-480.

ATS-55L35G

Sci

Apr 60

Vol III, No 2

ATS-601-GJ 113,568

Terres, Ernest, Ebert, Raimund and others.
 THE CHEMICAL NATURE OF PRODUCTS OBTAINED
 BY POLYMERIZATION OF LOW MOLECULAR
 WEIGHT OLEFINS WITH PHOSPHORIC ACID AND
 ALUMINUM CHLORIDE. III. ISOMERIZATION OF
 PROPYLENE OR ISOOCTENE-1 WITH ALUMINUM
 CHLORIDE AND A HYDROCHLORIC ACID-ETHER-
 COMPLEX. (Über die chemische Natur der durch
 Polymerisation von Olefinen Niedrigen Molekular-
 gewichte mit Phosphorsäure und Aluminiumchlorid
 erhaltenen Produkte. III. Die Polymerisation von
 Isobutylene bzw. Isoocten-1 mit Aluminium-chlorid
 und einem Salzsäure-Ather-Aluminium Chloride-
 Komplex.) [1966] [16] p. 8 refs.

Order from SLA in \$2.40, plus \$3.30 61-10496

1100-3476, 201, 614, Kohle (West Germany) 1959,
 v. 12, pp. 614-619

The result of the polymerization of Isooctene-1 with
 complex shows that by suitable modification of the
 (Chemistry--Organic, TT, v. 5, no. 7) (over)

61-10496

1. Isooctene--
Polymerization
2. Octene--Polymerization
3. Aluminum chloride--
Chemical reactions
4. Hydrogen chloride--
Chemical reactions

- I. Terres, E.
- II. Ebert, R.

148,522

Office of Technical Services

Cheap Inert Gas; A New Industrial Material,
by G. V. Bennigsen,

GERMAN, por, Erdoel und Kohle, 1959,
pp 646-648.

CSIRO

211, 483

Sci - Fuels
Aug 62

Krejci-Graf, Karl.

DIAGNOSTICS OF THE ORIGIN OF PETROLEUM. I. ORIGIN OF THE MOTHER SUBSTANCE OF PETROLEUM: TRANSFORMATION OF THE ORGANIC SUBSTANCE (Diagnostik der Herkunft des Erdöls. I. Herkunft der Muttersubstanz des Erdöls. -- Umbildung der Organischen Substanz). [1962] [35]p. (foreign text included) 39 refs.

Order from SLA \$3.60

62-16422

Trans. of Erdöl und Kohle (West Germany) 1959, v. 12, no. 9, p. 706-712.

DESCRIPTORS: *Petroleum, Geology, Paleogeology, Hydrocarbons, Rock, Deposits, Organic materials, Coal, Peat, Geochemistry, Mining engineering, Geophysical prospecting.

See also 62-16434

(Earth Sciences--Geology, TT, v. 8, no. 7)

62-16422

- I. Krejci-Graf, K.
- II. Title: Origin . . .
- III. Title: Transformation . . .

Office of Technical Services

Krejci-Graf, Karl.
DIAGNOSTICS OF THE ORIGIN OF PETROLEUM.
II. INDICIA FOR THE ORIGIN OF PETROLEUM
(SUMMARY AND CONCLUSION) (Diagnostik der
Herkunft des Erdöls. --Zusammenfassung und Schluss-
wort). [1962] [52]p. (foreign text included) 128 refs.
Order from SLA \$5.60 62-16434

Trans. of Erdöl und Kohle (West Germany) 1959,
v. 12, no. 10, p. 805-815.

DESCRIPTORS: *Petroleum, Geology, Paleocology,
Rock, Deposits, Organic materials, Coal, Peat,
Minerals, Geochemistry, Geological survey,
Uranium, Mining engineering.

See also 62-16422

(Earth Sciences--Geology, TTE v. 8, no. 7)

62-16434

I. Krejci-Graf, K.
III. Title: Indicia . . .

Office of Technical Services

On the Electrochemical Decomposition of
Wood, by W. Fuchs, W. Kischio.

GERMAN, per, Erdol und Kohle, Vol XII,
No 12, 1959, pp 973-976.

CSIRO 4950

Sci - Chem
Mar 62

189,262

Jacob, H.
ON RELATIONSHIPS BETWEEN COAL AND PETRO-
LEUM. [1962] [25]p. 22 refs.
Order from SLA \$2.60

62-14563

Trans. of Erdöl und Kohle (West Germany) 1960, v. 13,
no. 1, p. 5-11.

DESCRIPTORS: *Coal, *Petroleum, Fuels, Paleocology,
Geology.

For both coal and petroleum, vegetable and animal
substances represent the starting material. However,
the two fuels were formed under different conditions of
facies and also the starting substances exhibit certain
differentiations. As a consequence different substances
may have originated during the biochemical phase.

Liquid migrated petroleum constitutes only a very small
proportion of the organic substance of the parent rocks
(Earth Sciences--Geology, TT, v. 8, no. 1) (over)

62-14563

I. Jacob, H.

Office of Technical Services

Rheology of Colloidal Suspensions, by H. H.
Grodde, 16 pp.

GERMAN, per, Erdol und Kohle, Vol XIII,
No 1, 1960, pp 11-18.

ATB-83M41G

ATS-1106-GJ

Sci
Vol IV, No 7
apr 62

192, 662

Spira, Heinz.
SEMIMICRO METHOD FOR CHROMATOGRAPHIC
INVESTIGATION OF LUBRICATING OILS. [1962] 25p.
8 refs.

Order from SLA \$2.60

62-14433

Trans. of Erdöl und Kohle (West Germany) 1960, v. 13
[no. 1] p. 27-32.

DESCRIPTORS: *Lubrication, *Oils, *Chromatographic
analysis, Resins, Refineries, Distilling plants,
Microchemistry.

A method for the chromatographic investigation of small
amounts of lubricating oil (about 0.5 g) is described. It
is shown with reference to examples how this method
may be applied to the study and testing of processing
techniques. A study of lubricating oils aged in the engine
or in the laboratory showed that the resin fractions
(Chemistry--Analytical, TT, v. 9, no. 2) (over)

62-14433

I. Spira, H.

Office of Technical Service:

Terrest, Ernst, Felde, Ursula von, Hubbuch, Klaus,
Frank, Hildegard, and Meyer, Wilhelm.
INFORMATION ON THE PREPARATION OF LITHIUM
ALKYLS AND THEIR REACTION WITH ORGANIC
HALOGEN COMPOUNDS, II. [1963] 17p
Order from K-H \$17.00

K-H 10217

Trans. of [Erdöl und Kohle-Erdgas-Petrochemie]
(West Germany) 1960, v. 13 [no. 3] p. 160-163.

DESCRIPTORS: *Metalorganic compounds, *Lithium
compounds, Alkyl radicals, Synthesis (Chemistry),
Chemical reactions, Organic compounds, *halocarbons,

(Chemistry--Organic, TT, v. 10, no. 10)

63-22487

- I. Terrest, E.
- II. Felde, U. von
- III. Hubbuch, K.
- IV. Frank, H.
- V. Meyer, W.
- VI. K-H-10217
- VII. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

TT-65-11839

Office of Technical Services

The Present Extent of the Rheinischen
Olefinwerke in Wesseling, by K. Stange.
GERMAN, per, Erdoel und Kohle, Vol 13,
No 3, 1960, pp 171-175.
NTC 69-12509-07A

Sci-Chem
Aug 69

388,514

Franke, G.
MASS SPECTROMETRIC HYDROCARBON TYPE
ANALYSIS OF GASOLINE. I. ANALYSIS OF OLEFIN
FREE PRODUCTS. [1961] 11p. 3 refs.
Order from SLA \$1.60

62-10118

Trans. of Erdöl u[nd] Kohle (West Germany) 1960,
v. 13, no. 4, p. 263-266.

DESCRIPTORS: *Gasoline, Hydrocarbons, Mass
spectroscopy, Spectrographic analysis, Ethylenes,
Chemical analysis.

Suitable methods are described for investigating gaso-
line, which contain no unsaturated compounds, with
the mass spectrometer. These methods require a
relatively short time to give data on the composition of
a gasoline of paraffins, naphthalenes and aromatics. A
(Materials--Fuels, TT, v. 7, no. 8) (over)

62-10118

I. Franke, G.
II. Title: Analysis ...

201311

Office of Technical Services

A New Method for Finding the Theoretical
Number of Bubble Plates of a Packed Column,
by E. Terres, W. Meyer.

GERMAN, per, Erdoel und Kohle, Vol. ~~XXX~~
XIII, No 4, 1960, pp 266-268.

CSIRO

Sci - Engr
Oct 61

Knaap, W. van der.

EFFECT OF A CHANGE IN THE PORE VOLUME IN
OIL-BEARING ROCK ON THE ESTIMATE OF OIL
RESERVES. [1962] 15p.

Order from ATS \$19.85

ATS-45P64C

Trans. of Erdöl [und] Kohle (West Germany) 1960,
v. 13, no. 5, p. 305-312.

DESCRIPTORS: *Oils, Rock, Porous materials, Volume,
Geophysical prospecting.

(Earth Sciences--Geology, TT, v. 9, no. 2)

63-12309

- I. Knaap, W. van der
- II. ATS-45P64C
- III. Associated Technical
Services, Inc., East
Orange, N. J.

ATS-1096-GJ

Office of Technical Services

The Extraction of Creosote- and Asphalt-Rich
Brown-Coal High-Temperature Tar With Aqueous
X Methanol, by Erich Gundersmann.

GERMAN, per, Erdol u. Kohle, Vol XIII, No 7,
1960, pp 467-470.

Dept of Interior
TW7 E57 No 400

Sci - fuels

168, 518

Sep 61

Kroger, C. and Bigorajski, G.
AGING OF INSULATING OILS AND THEIR MAIN
COMPONENTS. Pt. 7 of Oxidation of Hydrocarbons.
[1961] 6p.
Order from ATS \$9.00 ATS-72N50G

Trans. of Erdöl und Kohle (West Germany) 1960,
v. 13, no. 7, p. 470-472.

DESCRIPTORS: *Insulating materials, *Oils, Aging,
*Hydrocarbons, Oxidation.

(Materials--Lubricants, TT, v. 6, no. 4)

61-22902

- I. Title: Insulating oils
- I. Kroger, C.
- II. Bigorajski, G.
- III. Title: Oxidation...
- IV. ATS-72N50G
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS-728-6J
177747

Office of Technical Services

Wetzel, W.
THE APPLICATION OF MICROLUMINESCENCE
ANALYSIS OF SEDIMENTS TO BASIC RESEARCH IN
PETROLEUM GEOLOGY. [1961] 8p.
Order from ATS \$13.40 ATS-76N48G

Trans. of Erdöl u[nd] Kohle (West Germany) 1960, v. 13, no. 8, p. 541-544.

(Earth Sciences--Geology, TT, v. 5, no. 10)

61-12989

1. Sedimentation--
Microanalysis
2. Petroleum--Sources
- I. Wetzel, W.
- II. ATS-76N48G
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

158927

Office of Technical Services

The System $\text{Na}_2\text{O}-\text{V}_2\text{O}_5-\text{SO}_3$ and Its Significance in
Heating Surface Fouling in Oil Fired Installations,
by K. Wickert, 13 pp.

GERMAN, par, Erdöl und Kohle - Erdgas Petrochemie,
Vol XIII, No 9, 1960, pp 653-664. 9211491

A.C.S.I.L. Tr 1402

Sci - Phys
Oct 63

62-10133

OIL-FIRED CENTRAL HEATING SYSTEMS AND
ATMOSPHERE POLLUTION. [1961] 5p.
Order from SLA \$1.10 62-10133

Trans. of Erdöl u[nd] Kohle (West Germany) 1960,
v. 13, no. 10, p. 806ff.

DESCRIPTORS: *Heating plants, *Fuel oil, Atmos-
phere, Contamination, Waste gases.

(Engineering--Mechanical, TT, v. 7, no. 9)

Office of Technical Services

Extraction of Creosote- and Asphalt-Rich
Brown-Coal High Temperature Tar With Aqueous
Methanol II. Experimental Results: Raffinates
and Extracts, by Erich Gundersmann.

GERMAN, per, Erdol und Kohle, Vol XIII,
1960 pp 556-560.

Dept of Interior
TNT 237 No 401

Sci - Fuels

168517

Sep 61

DIN (German Industrial Standard) 51, 790; Procedure
for the Determination of Vanadium,

GERMAN, per, Erdol und Kohle, Vol XIII, No 10,
1960, pp 787-788.

ATS-38493

Sci

Sep 61

168,599

Pearson, J. W. and Waight, F. H.
DEVELOPMENT OF SYNTHETIC LUBRICANTS FOR
MODERN AVIATION. [1961] 22p.
Order from ATS \$29.85

ATS-13N58G

Trans. of Erdol u[nd] Kohle (West Germany) 1961,
v. 14, no. 7, p. 527-537.

DESCRIPTORS: *Lubricants, *Airplane engine oils.

(Materials--Lubricants, TT, v. 7, no. 10)

62-12684

- I. Pearson, J. W.
- II. Waight, F. H.
- III. ATS-13N58G
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

ATS/722-GJ

Office of Technical Services

Rustschew, D. D.
MAKING COKE FROM LOW-GRADE POORLY-
COKING COALS TO WHICH PETROLEUM PRODUCTS
HAVE BEEN ADDED. [1961] 6p.
Order from ATS \$8.35

ATS-59N57G

Trans. of Erdöl und Kohle (West Germany) 1961,
v. 14, no. 7, p. 542-544.

DESCRIPTORS: *Coke, Production, *Coal, Petroleum.

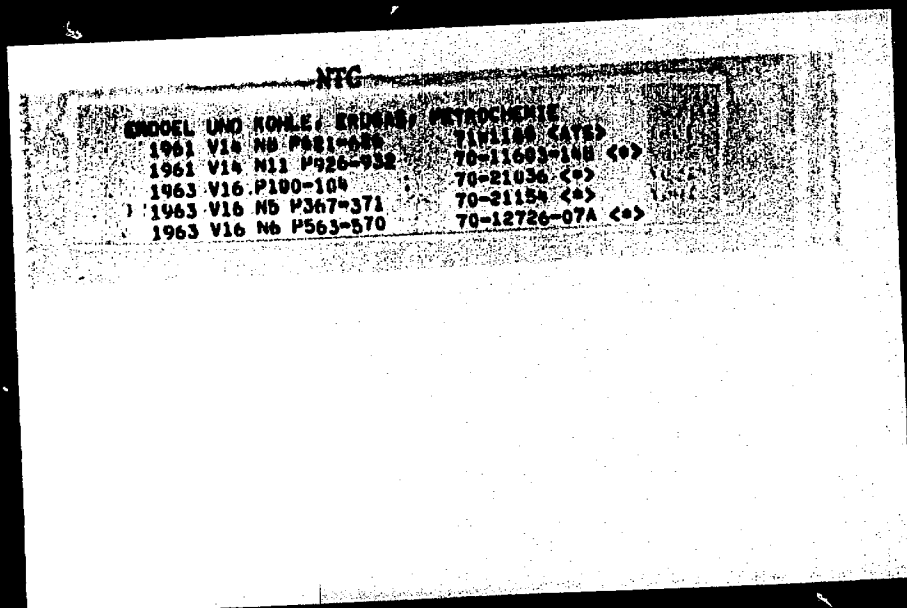
(Materials--Fuels, TT, v. 7, no. 6)

62-12388

- I. Rustschew, D. D.
- II. ATS-59N57G
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

BISI 2866
ATS-793-GJ

Office of Technical Services



Bausch, W. M. and Wiontzek, H.
PETROGRAPHIC INVESTIGATIONS OF THE REHDEN
MAIN DOLOMITE. [1962] 15p.
Order from ATS \$21.50

ATS-00P63G

Trans. of Erdöl und Kohle (West Germany) 1961, v. 14,
no. 9, p. 686-692.

DESCRIPTORS: *Petrology, Rock, Minerals, *Dolomite.

(Earth Sciences--Mineralogy, TT, v. 9, no. 1)

62-34212

I. Bausch, W. M.
II. Wiontzek, H.
III. ATS-00P63G
IV. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS-1066-GJ

Office of Technical Services

Wolf, w.
INVESTIGATION OF CARBURETOR ICING OF
OTTO-CYCLE ENGINE FUELS IN ENGINES AND
OF THE EFFECTIVENESS OF ANTI-ICING ADDI-
TIVES. [1962] 17p.
Order from ATS \$19.95 ATS-50N58G

Trans. of Erdöl und Kohle (West Germany) 1961,
v. 14, no. 9, p. 725-731.

DESCRIPTORS: Carburetors, Ice, Internal combustion
engines, Fuels, Additives, *Ice prevention.

(Machinery--Engines, TT, v. 8, no. 1)

62-12833

- I. Title: Otto engine
- I. Wolf, W.
- II. ATS-50N58G
- III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

TT-65-13993

Field 7A

Stijntjes, G. J. F.; Voetter, H.; Roelofsen, E. F.;
Verstappen, J. J.

THE PRODUCTION OF BENZENE BY THE DE-ALKYLATION OF TOLUENE: THE SHELL-BEXTOL PROCEDURE.
19p (figs omitted) 74refs.

Order from SLA: \$1.60 as TT-65-13993

Trans. of Erdöl und Kohle-Erdgas-Petrochemie
(West Germany) v14 n12 p1011-8 1961.

Another trans. is available from SLA \$2.60 as
TT-65-12214, 26p.

I. Title: Shell-Bextol ...

MR 670

Extraction of Hydrogen-Sulphide and
COS According to the Shell-Adip Process,
by A. P. von Bally.

GERMAN, per, Erdol und Kohle, No 14, 1961,
pp 921-923.

GFC

Sci - Fuels
Dec 63

244,849

Kuhne, G.

A STUDY OF THE EFFECTS OF BUOYANCY ON
ROTARY DRILLING STRINGS. [1962] 8p.

Order from ATS \$13.50

ATS-84P58G

Trans. of Erdöl und Kohle (West Germany) 1961,
v. 14, no. 10, p. 809-812.

DESCRIPTORS: *Drilling machines, Flotation,
Drills.

(Machinery, Fabrications and Accessory Equipment,
TT, v. 7, no. 11)

62-12832

I. Kuhne, G.

II. ATS-84P58G

III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Oilfield Waters, by K. Krejci-Graf.
GERMAN, per, Erdol und Kohle, Vol 15, No 2,
1962, pp 102-109.
*CISTI TT 69-52008

sci/chemistry
mar 69

Klamann, Dieter and Krämer, Ulrich.
THE SIDE CHAIN OXIDATION OF DIALKYLAROMATIC COMPOUNDS. Extract from the dissertation by U. Krämer, Technische Hochschule, Berlin. [1962] 20p.

Order from SLA \$1.60

62-18870

Trans. of Erdöl u[nd] Kohle (West Germany) 1962, v. 15, no. 4, p. 262-268.

DESCRIPTORS: *Naphthalenes, Methyl radicals, Oxidation, *Oxidizers, Oxygen, Hypochlorites, Nitric acid, Sulfur, Reaction kinetics, *Alkyl radicals.

In order to get a more comprehensive picture of the law of side chain oxidizability of dialkyl aromatics, different oxidation processes have been studied, dimethyl naphthalenes having served as an example. The oxidations by air or by hypochlorite only showed tech- (Chemistry--Organic, TT, v. 9, no. 10) (over)

62-18870

- I. Klamann, D.
- II. Krämer, U.
- III. Technische Hochschule, Berlin (Germany)

Office of Technical Services

Microscopic Investigations of Coking Properties of Coal,
by M. Th. Mackowsky.
GERMAN, per, Erdol und Kohle, Vol XV, No 6, 1962,
pp 441-451.

BISI 3358

Sci - M/M
Feb 64

250,718

CR-1/T. 1320

The Formation of Natural Gas as a Result of
Recoalification in the Northeast of Netherlands,
by R.J.H.Patijn
GERMAN, per, Erdol und Kohle, 1964. vol. 17, no. 1,
pp. 2-9
ATS-43R79G

E.Sci
Aug 66

308, 4344

TT-65-11636

Field 7A

Berg, C. van den.
A SIMPLE METHOD FOR THE DETERMINATION OF
MAXIMUM FURNACE EFFICIENCY AND OF OPTIMUM
FURNACE CONSTRUCTION. 17p, 3 refs.
Order from SLA: \$1.60 as TT-65-11636

Trans. of Erdol und Kohle-Erdgas-Petrochemie (West
Germany) v12 n3 p144-50 1959.

TT-65-11636

I. Berg, C. van den

MR-616

TT-65-12253

Field 81

Grodde, K. H.
THE RHEOLOGY OF COLLOIDAL SUSPENSIONS,
ESPECIALLY OF THE DRILLING FLUIDS, PART II,
APPLICATION IN THE DRILLING PRACTICE. 12p,
3refs.

Order from SLA: \$1.60 as TT-65-12253

Trans. of Erdoel und Kohle-Erdgas-Petrochemie
(West Germany) v13 n2 p79-83 1960.
Another trans. is available from ATS \$13.75 as
ATS-84M41G, 11p.

I, Grodde, K. -H.
II, Title: Application ...

MR 628

TT-65-12443

Field 8G

Meyer, C.
100 YEARS OF PETROLEUM EXPLORATION IN SPAIN. 13p.
Order from SLA: \$1.60 as TT-65-12443

Trans. of ~~Erdöl und Kohle-Erdgas-Petrochemie~~ (West
Germany) v13 n6 p382-7 1960.

I. Meyer, C.

R-228/60
DC-4653
JPRS (FOUO)
Copyright

MR 633

TT-65-12443

Field 8G

Meyer, C.
100 YEARS OF PETROLEUM EXPLORATION IN SPAIN. 13p.
Order from SLA: \$1.60 as TT-65-12443

Trans. of ~~Erdöl und Kohle-Erdgas-Petrochemie~~ (West
Germany) v13 n6 p382-7 1960.

I. Meyer, C.

R-228/60
DC-4653
JPRS (F060)
Copyright

MR 633

R-228/60

1/DC-4653 1.

A Century of Petroleum Prospecting in Spain, by
Carl Meyer, FOUO,

GERMAN, per, ~~Erdoel und Kohle~~, Vol XIII, No 6,
Jun 1960, pp 382-387.

*JPRS
COPYRIGHT

WE - Spain

Econ - Fuels and Power - Petroleum

21 Oct 60

The Present Status and Prospects of Natural Gas
Production in the USSR, by A. Nirtsching, 16 pp.

GERMAN, per, Erdol und Kohle-Erdgas-Petrochemie,
Vol XIII, No 10, 1960, pp 784-788. (Call No TN860,
48, Eng Tr)

AMS

BSSR
Econ
Apr 61

146, 367

TT-65-12476

Field 8G

Krejci-Graf, K.
MODERN VIEWS ON THE ORIGIN OF PETROLEUM. 19p.
120refs.
Order from SLA: \$1.60 as TT-65-12476

Trans. of Erdöl und Kohle-Erdgas-Petrochemie (West
Germany) v13 n11 p836-45 1960.

I. Krejci-Graf, K.

MR 634

Krebs, Erich.
THE TELEVISION-BORE-HOLE-PROBE FB 400: A
NEW INSTRUMENT FOR THE INVESTIGATION OF
BORE-HOLES. [1962] 25p. (3 figs. omitted).
Order from SLA \$2.60 63-10221

Trans. of Erdöl und Kohle-Erdgas-Petrochemie-
(West Germany) 1961, v. 14 [no. 1] p. 11-17.

DESCRIPTORS: *Mining engineering, *Television
equipment, Geological survey, Geophysical prospect-
ing, *Well logging, *Boreholes.

With a new television bore-hole-probe, whose outer
diameter is 63 mm, one can obtain by direct measure-
ment graphical and photographic records of bore-holes.
Currently, this method is successful at a depth of 400
meters. The system of television transmission and the
components of the apparatus layout are described and
(Engineering, TT, v. 10, no. 2) (over)

63-10221

I. Krebs, E.
II. Title: New ...

Office of Technical Services

Ratte, Heinrich.
DISTILLATION IN SIDE COLUMNS. [1963] 14p
Order from K-H \$14.00 K-H 11096

Trans. of Erdöl und Kohle-Erdgas-Petrochemie
(West Germany) 1961, v. 14, no. 1, p. 24-26.

DESCRIPTORS: *Distillation, *Towers (Chemistry),
Distilling plants.

(Engineering--Chemical, TT, v. 10, no. 10)

63-22474

- I. Ratte, H.
- II. K-H-11096
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

The Determination of the Water Content of
Mineral Oils by the Karl Fischer Method,
by E.H. Gruss, 8 pp.
GERMAN, per, Erdol und Kohle-Erdgas-Petrochemie,
Vol XIV, No 9, 1961, pp 714-716.
ATS-59R76G

Sci - Biol
Jul 66

305,813

Spector, Marshall L. and Heinemann, Helms.
REMOVAL OF ACETYLENE AND METHYLACETYLENE FROM OLEFINS WITH THE AID OF CUPROUS/CUPRIC-SALT SOLUTIONS. [1963] 8p.
[figs. omitted] 4 refs.
Order from SLA \$1.10

63-16974

Trans. of Erdöl und Kohle-Erdgas-Petrochemie
(West Germany) 1961, v. 14 [no. 11] p. 915-917.

DESCRIPTORS: *Alkenes, *Acetylenes, *Propynes,
Separation, Catalysts, *Copper catalysts, Copper
compounds, Chlorides, Hydrochloric acid.

A new process was developed for the removal of acetylene and/or mono-substituted acetylenes from olefine streams which on continuous operation diminishes the contents of these components to less than 5 ppm. The acetylene containing gas is passed through an aqueous (Chemistry--Organic, TT, v. 10, no. 7) (over)

63-16974

I. Spector, M. L.
II. Heinemann, H.

Office of Technical Services

The Slide Indicator, A Modern Instru-
ment for Examining the Sliding Behaviour
of Materials and Lubricants, by E. Tammert.
GERMAN, per, Erdol und Kohle, Erdgas.
Petrochemie Vol 14, No 11, Nov 1961,
pp 926-932. 9227726
N.S.T.I.C. Tr 1491

GB 60/1491

Sci/Engineering
Sep 65

289,305

TT-65-12214

Field 7A

Stijntjes, G. J. F.; Voetter, H.; Roelofsen, E. F.;
and Vertstappen, J. J.
BENZENE PRODUCTION BY DEALKYLATION OF
TOLUENE THE SHELL 'BEXTOL' PROCESS, 26p, 73refs.
Order from SLA: \$2.60 as TT-65-12214

Trans. of Erdöl und Kohle-Erdgas-Petrochemie.
(West Germany) v14 n12 p1011-6 1961.

I. Stijntjes, G. J. F.
II. Voetter, H.
III. Roelofsen, E. F.
IV. Vertstappen, J. J.
V. Title: Shell ...

MR 627

TT-65-12312

Field 7D

Wolf, S.
IMPROVED POTENTIOMETRIC METHOD FOR DETER-
MINATION OF THE ACID NUMBERS (TAN AND SAN)
IN PETROLEUM PRODUCTS. 10p, 15refs.
Order from SLA: \$1.10 as TT-65-12312

Trans. of Erdoel und Kohle-Erdgas-Petrochemie
(West Germany) v15 n1 p27-31 1962.

I. Wolf, S.
II. Title: Tan ...

MR 630

On Internal Corrosion in the Transport of
Gases Containing Oxygen, by F. Gebert.
EUROPEAN, per, Erdoel und Kohle, Erdgas,
Petrochemie (Vereinigt mit Brennstoff-Chemie),
Vol 15, No 2, 1962, pp 113-118.
NTC-71-15529-07A

Feb 72

TT-65-12292

Field 7C

Osthaus, K. H.
THE STEAM PYROLYSIS PROCESS FOR ETHYLENE
FORMATION FROM LIQUID HYDROCARBONS. 10p, 18refs.
Order from SLA: \$1.10 as TT-65-12292

Trans. of Erdöl und Kohle-Erdgas-Petrochemie
(West Germany) v15 n4 p270-4 1962.

I. Osthaus, K. H.

MR 629

Couch, Earl J. and Selig, Franz F.
THE SIGNIFICANCE OF HEAT TRANSPORT FOR
UNDERGROUND COMBUSTION PROCESSES. [Paper]
presented at the Annual Meeting of the German Society
for Mineral Oil Science and Coal Chemistry, Goslar,
29 Sep 61. 13p 10refs.
Order from SLA \$1.60

TT-64-16966

Trans. of [~~Erdöl und Kohle-Erdgas-Petrochemie~~]
(West Germany) 1962, v. 15 [no. 7] p. 515-519.

(Physics--Thermodynamics, TT, v. 12, no. 5)

TT-64-16966

I. Couch, E. J.
II. Selig, F. F.
III. Title: German ...

Office of Technical Services

Criegee, R. and Ludwig, P.
THE MECHANISM OF HYDROCARBON OXIDATION
TO SES-HYDROPEROXIDES. 19p 27refs.
Order from SLA \$1.60

TT-64-18446

Trans. of Erdöl u[nd] Kohle [-Erdgas-Petrochemie]
(West Germany) 1962, v. 15 [no. 7] p. 523-530.

(Chemistry--Organic, TT. v. 12, no. 7)

TT-64-18446

I. Criegee, R.
II. Ludwig, P.

TT-65-11932

Field 7C

Berger, G.; Mittag, R.
ETHYLENE OXIDATION TO ACETALDEHYDE BY THE
PROCESS OF DIRECT OXIDATION. 7p, 6 refs.
Order from SLA: \$1.10 as TT-65-11932

Trans. of Erdöl und Kohle-Erdgas-Petrochemie
(West Germany) v15 n8 p699-702 1962.

I. Berger, G.
II. Mittag, R.

MR 621

Self-Consistency of Statistical Structural Analyses, by
Y. Sandor, E. DeRuiter, et al.
GERMAN, per, Erdol und Kohle, Vol XV, 1962, pp 713-717.

NRC/Ref: C-4403

EEurk
Econ
Feb 64

250,054

S-167

Regional Distribution of Carbohydrates Oxydizing
Bacteria in Various Soils. (SF-2497)

GERMAN, per, Erdol und Kohle - Erdgas - Petrochemie,
Vol XV, No 2, 1962.

*JPRS

Sci - Biol

Feb 63

Krönig, Walter.
COLD-HYDROGENATION OF C₃-FRACTIONS IN
LIQUID PHASE. [1962] 11p. (figs. omitted) 10 refs.
Order from SLA \$1.60 62-20472

Trans. of Erdöl und Kohle-Erdgas-Petrochemie (West
Germany) 1962, v. 15, no. 3, p. 176-179.

DESCRIPTORS: *Propenes, Liquids, *Hydrogenation,
Impurities, Acetylenes, Dienes, Separation, *Palladium
catalysts, Towers (Chemistry), Hydrocarbons.

Propylene has gained an increasing importance as a
chemical raw material. As far as propylene is pro-
duced by pyrolytic processes, it contains certain
quantities of methyl acetylene and propadiene which
cause difficulties in the further processing. The
removal of these contaminations by selective hydro-
genation in the gas phase is accompanied by some
(Engineering-Chemical, TT, v. 9, no. 11) (over)

62-20472

I. Krönig, W.

Office of Technical Services

THE REGIONAL DISTRIBUTION OF HYDROCARBON OXIDIZING
BACTERIA IN VARIOUS SOILS, BY HERBERT VOLZ, WILHELM
SCHWARTZ, 13 PP.

GERMAN, PER, ERDOIL UND KOHLE - ERDGAS - PETROCHEMIE,
NO 6, 1962, PP 426-429.

JPRS 18100

ITS TT-63-20729

SCI - BIOL - MED SC

MAR 63

225,448

Microscopical Investigation of Coking
Properties of Coal, by M.T. Mackowsky.
GERMAN, per, Erdol und Kohle, Vol 15,
Jun 1962, pp 441-451.
BISI 3937

Sci/MMH
Aug 65

284,711

Schnurmann, R.
THE BEHAVIOR OF LUBRICANTS AT HIGH RATES
OF SHEAR. [Feb 63] 9p.
Order from ATS \$13.65 ATS-40P65G

Trans. of Erdöl [und] Kohle[-Erdgas-Petrochemie]
(West Germany) 1962, v. 15, no. 6, p. 451-455.

DESCRIPTORS: *Lubricants, Behavior, Shear stresses.

(Materials--Lubricants, TT, v. 9, no. 7)

63-12755

I. Schnurmann, R.
II. ATS-40P65G
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Depke, F. M.

COMBINATIONS OF BITUMINOUS RAW MATERIALS
WITH PLASTICS. [Feb 63] 8p.
Order from ATS \$12.75

ATS-60P65G

Trans. of Erdöl (und) Kohle(-Erdgas-Petrochemie)
(West Germany) 1962, v. 15, no. 6, p. 535-538.

DESCRIPTORS: *Bitumens, *Plastics, Mixtures.

(Materials, TT, v. 9, no. 7)

63-12761

I. Depke, F. M.
II. ATS-60P65G
III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS-794-GJ

Office of Technical Services

Notes, Ernst G.
CORROSION PROTECTION BY CHEMICALS IN
PETROLEUM PROCESSING. PT. I. FUNDAMENTALS
OF CORROSION AND CORROSION INHIBITORS.
[19 Aug 62] 14p. 22 refs.
Order from SLA \$1.60

63-10284

Trans. of [Erdöl und Kohle-Erdgas-Petrochemie]
(West Germany) 1962, v. 15, no. 7, p. 538-541.

DESCRIPTORS: *Corrosion inhibition, Chemical com-
pounds, *Petroleum, Refineries, Corrosion, Anti-
oxidants, Fuels, *Amines, *Acetylenes, *Benzenes.

(Metallurgy--Corrosion, TT, v. 10, no. 2)

63-10284

I. Notes, E. G.
II. Title: Fundamentals...

-

Office of Technical Services

~~XXXXXXXX~~ Fully Automatic Injector Mixing Devices
for Gaseous Hydrocarbons, by K. Sigmond.

GERMAN, per, Erdol und Kohle, Ergas Petrochemie,
Vol XV, No 7, 1962, pp 553-556.

MI/T 489

Sci-~~ENCE~~ Fuels
Jun 63

234,618

Nottes, Ernst G.
CORROSION PROTECTION BY CHEMICALS IN
PETROLEUM PROCESSING. PT. II. TESTS AND
MEASUREMENTS, PROCESS CONTROL AND APPLI-
CATION. [18 Sep 62] 19p. (figs. omitted) 8 refs.
Order from SLA \$1.60 63-10285

Trans. of [Erdöl und Kohle-Erdgas-Petrochemie
(West Germany) 1962, v. 15, no. 8, p. 640-643].

DESCRIPTORS: *Corrosion inhibition, *Petroleum,
Refineries, Test methods, Corrosion.

(See also 63-10284)

(Metallurgy--Corrosion, TT, v. 10, no. 2)

63-10285

I. Nottes, E. G.
II. Title: Tests...

Office of Technical Services

Petroleum, Coal, Natural Gas and Petrochemistry,
by G. Stock-Rother, 8 pp.

GERMAN, per, Erdol und Kohle, Erdgas, Petrochemie,
~~XXXXXX~~ Vol XL, 8 Aug 1962, pp abstracts 660,
661, 662, 663. (Call No TN 860 E 67)

Army Map Service

Sci - Fuels
14 Jan 63

Spengler, Günter and Wunsch, Fritz.
ON THE SYNTHESIS OF SOME ADAMANTANE
DERIVATIVES, IN PARTICULAR THE 1-ADAMAN-
TANECARBOXYLIC ACID ESTERS, AND THEIR SUIT-
ABILITY AS LUBRICATING OILS. [1963] 20p 40refs
Order from SLA \$1.60 63-20075

Trans. of Erdöl und Kohle-Erdgas-Petrochemie (West
Germany) 1962, v. 15 [no. 9] p. 702-707.

DESCRIPTORS: *Cycloalkanes, *Carboxylic acids,
*Esters, Synthesis (Chemistry), Alkyl radicals,
Butyl radicals, Hexyl radical, Viscosity, *Lubricants,
Oils, Chemical properties.

The preparation of some 1-n-alkyl adamantanes and
some 1-adamantanecarboxylic esters is reported. The
esters were tested for their suitability as lubricating
oils. Although it was found that the low temperature
properties (melting or cloud points range from -60 to
(Materials--Lubricants, TT, v. 10, no. 11) (over)

63-20075

1. Title: Adamantanes
 2. Title: 1-Adamantane-
carboxylic acid
 3. Title: n-Butyladamantane
 4. Title: n-Hexyladamantane
- I. Spengler, G.
II. Wunsch, F.

Office of Technical Services

TT-65-12156

Field 21G

Rossenbeck, M.
CARBURATOR ICING: APPEARANCE AND PREVENTION.
19p, 22refs,
Order from SLA: \$1.60 as TT-65-12156

Trans. of Erdoel und Kohle-Erdgas-Petrochemie (West
Germany) v15 p790-9 1962.

I. Rossenbeck, M.

MR 626

Grimm, Wolf-Dieter.

IDIOMORPHIC QUARTZES AS GUIDE MINERALS FOR
SALIFEROUS FACIES, [1963] 32p 19refs

Order from SLA \$3.60

TT-63-20715

.. ATS #19.25 (15pp) ATS-209786
Trans. of Erdöl und Kohle-Erdgas-Petrochemie (West
Germany) 1962, v. 15, no. 11, p. 880-887.

DESCRIPTORS: *Quartz, *Petrology, Rock salt,
Salinity, Crystal structure, Silicic acids, Petroleum,
Sedimentary rock, Stratigraphy, Minerals.

On the authority of approximately 150 occurrences of
authigenic quartz observed, it is demonstrated that the
quartz separated under saline conditions constitutes an
important, perhaps even the most important, part of
the crystallized quartz newly formed in the sediment.
Especially characteristic for this type of formation are
the idiomorphic quartz crystals which are discussed in
(Earth Sciences--Geology, TT, v. 11, no. 4) (over)

TT-63-20715

I. Grimm, W.-D.

Office of Technical Services

Soviet Block Oil on the European Market, by
Alfred Stahmer, 14 pp.

GERMAN, per, Erdol und Kohle/Erdgas/Petrochemie,
Vol XV, No 11, 1962, pp 941-943. (Call No.
TN860.E67)

Army Map Service

EEur - Soviet Bloc
Econ
Mar 63

226,655

The Mineral Oil Industry of India, by
Wilhelm von Pochhammer, 14 pp.

GERMAN, per, Erdol und Kohle/Erdgas/Petrochemie,
Vol XV, No 12, 1962, pp 1017-1019. (Call No.
TT860.E67)

Army Map Service

ME - India
Econ
Mar 63

226,672

Mean Size of the Condensed Aromatic System of a
Vitrinite and Its Extraction Products, by E. de Ruiter,
H. Tschamler.
GERMAN, per, Erdol und Kohle, Vol XVI, No 3,
1963, pp 193-200.
CSIRO No 6581

~~XXXXXXXX~~

~~XXXXX~~

Sci - Fuels
Jun 64

261,270

Combustion & Dynamics of Fuel Oil Flames in
Relation to Development Trends in Burner Design,
by W. Grimm, 15 pp.
GERMAN, per, Erdol und Kohle-Erdgas-Petrochemie,
Vol XVI, No 5, 1963, pp 371-378.
ATS-66Q71G

Sci-Fuels
March 64

BISI 3734

252, 089

Kruger, R.
EXPRESSION OF VIEWS REGARDING THE NEW
DETERGENTS LAW. [1963] 10p
Order from ATS \$12.75 ATS-67Q71G

Trans. of [Erdöl und Kohle-Erdgas-Petrochemie]
(West Germany) 1963, v. 16, no. 5, p. 379-382.

DESCRIPTORS: *Cleaning compounds.

(Social Sciences, TT, v. 10, no. 9)

63-22591

I. Kruger, R.
II. ATS-67Q71G
III. Associated Technical
Services, Inc.,
East Orange, N. J.

TC-169
NTC 71-14079-11K

Office of Technical Services

H. Wachholz

Geometric Factors in Acoustic Log Measurements
and their Effect Upon the Design of Logging
Tools.

GERMAN, per, Erdoel und Kohle, Erdgas, Petrochemie
(Vereinigt mit Brennstoff-Chemie), Vol 13, 1960,
pp 545-549.

NTC 72-13653-08I

Nov 72

History of Oil Migration in the Gifhorn Trough,
by W. Philipp

GERMAN, per, Erdoel und Kohle, Erdgas, Petrochemie
(Vereinigt mit Brennstoff-Chemie), Vol 16, 1963,

pp 456-468

NTC 71-15530-08G

feb 72